

Service Manual

Radio

RC-6005B

FM-AM
DIGITAL CLOOK RADIO

Supplementary-1



IMPORTANT

There are two different types in model RC-6005B. Identification of difference can be made by Label and Printed Circuit Board, so please refer to respective service Manual as below.

Service Manual (Order No.)	RC-6005B Supplementary-1 RD7510-1155-1	RC-6005B RD7412-1155
Label Indication "D"	Indicated	Non
P.C.B.	RUP659Y	RUP647Z



SPECIFICATIONS

Frequency Range:	FM 87.5~108 MHz AM 520~1610 kHz (577~186m)
Intermediate Frequency:	FM 10.7 MHz AM 455 kHz
Sensitivity:	FM 5 μ V for 50mW Output AM 100 μ V/m for 50mW Output
Power Output:	600mW Maximum

Power Source:	AC 110~125V/220~240V 50/60 Hz
Power Consumption:	7W
Speaker:	9 cm (3 $\frac{1}{2}$ ") PM Dynamic Speaker
Dimensions:	279(Wide) x 104(High) x 145(Deep)mm (11" x 4 $\frac{3}{32}$ " x 5 $\frac{23}{32}$ ")
Weight:	1.2 kg. (2 lb. 10.3 oz.)
Impedance:	Speaker.....16 Ω

Specifications are subject to change without notice for further improvement.

 **National Panasonic**

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka, Japan

■ TO REMOVE CHASSIS

1. Remove four (4) rear panel screws, nos. 1~4, as illustrated in fig. 1.
2. Remove the rear panel.
3. Remove the chassis in the direction of arrow, as illustrated in fig. 2.
4. To remove the chassis completely, pull out the socket to circuit board.
5. To reassemble, reverse the above procedure.

■ TO REMOVE SPEAKER

1. Remove the rear panel. (Refer to chassis removal instructions.)
2. Remove the speaker in the direction of arrow, as illustrated in fig. 3.
3. To remove the speaker completely, pull out the socket to circuit board.
4. To reassemble, reverse the above procedure.

■ TO REMOVE CIRCUIT BOARD

1. Remove the band selector and volume knobs.
2. Pull out the circuit board in the direction of arrow, as illustrated in fig. 4.
3. To remove the circuit board completely, pull out the sockets to clock, chassis and speaker.
4. To reassemble, reverse the above procedure and read the following notes.

- Notes:
1. Turn dial drum to fully counter-clockwise.
 2. Turn tuning knob to fully counter-clockwise.

■ TO REMOVE CLOCK

1. Remove the speaker and chassis. (Refer to chassis and speaker removal instructions.)
2. Remove the set alarm, set time, selector and sleep knobs.
3. Remove the clock in the direction of the arrow① by pushing the ribs in the direction of the arrows, nos. ② and ③, as illustrated in fig. 5.
4. To remove the clock completely, pull out the socket to the circuit board.
5. To reassemble, reverse the above procedure.

■ TO REMOVE FRONT PANEL

1. Remove the chassis. (Refer to chassis removal instructions.)
2. Remove the band selector knob.
3. Push the leg of panel, as illustrated in fig. 6.
4. Remove the panel in the direction of arrows, as illustrated in fig. 7.
5. To reassemble, reverse the above procedure.

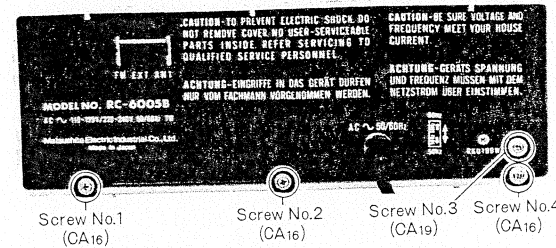


Fig. 1

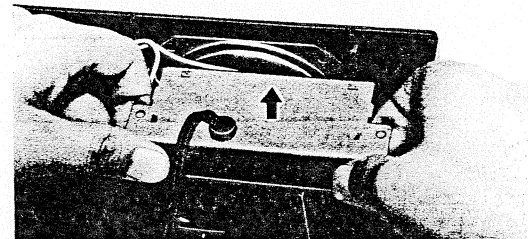


Fig. 2

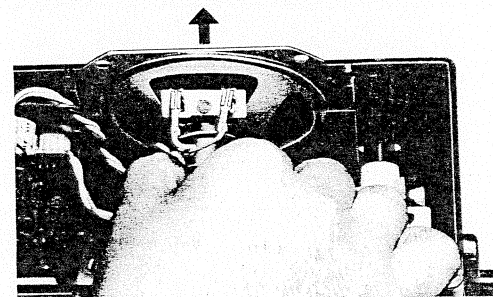


Fig. 3

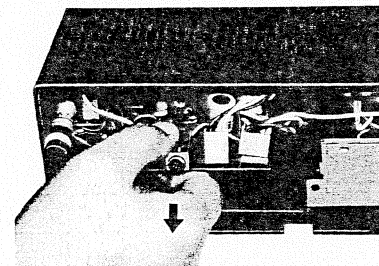


Fig. 4

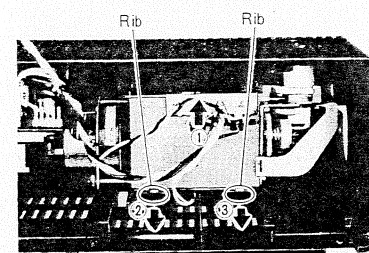


Fig. 5

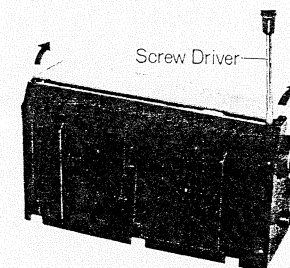


Fig. 7

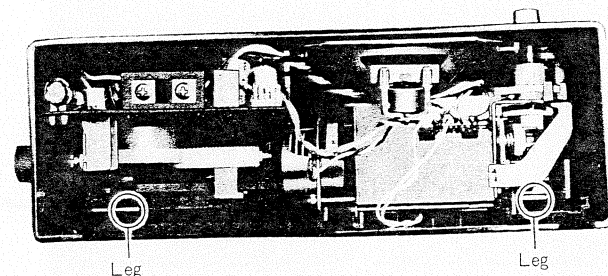


Fig. 6

■ ALIGNMENT INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Notes:

1. Set volume control to maximum.
2. Set selector switch to ON.
3. Set band selector switch to AM or FM.
4. Set power source voltage to 117V or 230V AC.
5. Output of signal generator should be no higher than necessary to obtain an output reading.

3. Set band selector switch to AM or FM.					
SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY				
AM ALIGNMENT					
(1)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 Hz.	Point of non-interference. (on/about 600 kHz).	Output meter across voice coil.	T ₂ (1st IFT) T ₄ (2nd IFT) T ₃ (3rd IFT) Adjust for maximum output.
(2)	"	511 kHz	511 kHz Turn dial drum to fully counter-clockwise.	"	L ₅ (OSC Coil) "
(3)	"	1650 kHz	1650 kHz Turn dial drum to fully clockwise.	"	C ₃₅ (OSC Trimmer) "
(4)	"	550 kHz	Tune to signal	"	(* 1)L ₄ (ANT Coil) Adjust for maximum output. Adjust L ₄ by moving coil bobbin along ferrite core.
(5)	"	1500 kHz	"	"	C ₃₃ (ANT Trimmer) Adjust for maximum output. Repeat steps (2)~(5).
(* 1) Cement antenna bobbin with wax after completing alignment.					
FM IF ALIGNMENT					
(6)	High side thru. 0.001μF to point TP ₁ . Negative side to point TP ₂ .	10.75 MHz (400 kHz SWP.)	Point of non-interference. (on/about 90 MHz).	Connect vert. amp. of scope to point TP ₃ . Negative side to point TP ₂ .	T ₁ (FM 1st IFT) Adjust for maximum amplitude. (Refer to fig. 8)
FM-RF ALIGNMENT					
(7)	Connect to point TP ₄ (* 3) through FM Dummy antenna. Negative side to point TP ₂ . (Refer to fig. 9).	87.2 MHz	87.2 MHz Turn dial drum to fully counter-clockwise.	Output meter across voice coil.	Z ₁₋₂ (FM OSC Coil) Z ₁₋₁ (FM DET Coil) (* 2)Adjust for maximum output
(8)	"	109.2 MHz	109.2 MHz Turn dial drum to fully clockwise.	"	C ₅ (FM OSC Trimmer) C ₂ (FM DET Trimmer) (* 2)Adjust for maximum output Repeat steps (7) and (8).
(* 2) Three output responses will be present; proper tuning is the center frequency.					
(* 3) Unsolder lead wire between test point TP ₄ and point A before alignment and resolder it after alignment.					

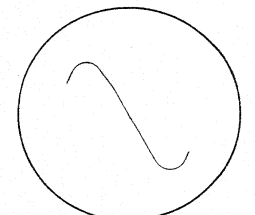
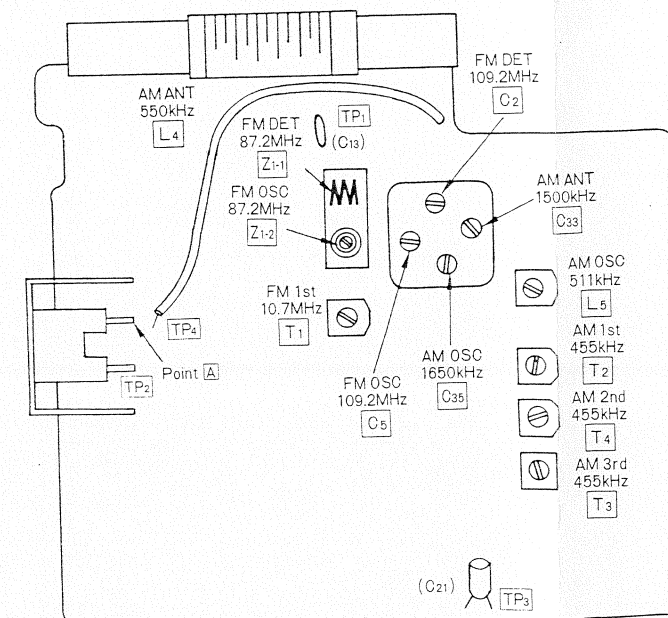


Fig. 8

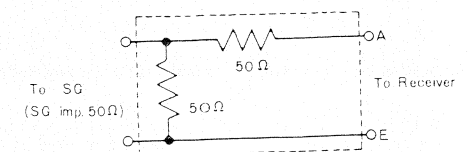
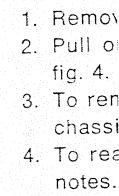
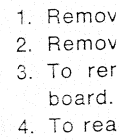


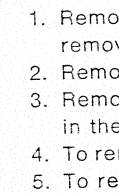
Fig. 9 FM Dummy Antenna

1. Remove
2. Remove
3. Remove
4. To rem
5. To rea:



Notes:

1. Turn c
2. Turn t



1. Remove the top cover.
2. Remove the top cover.
3. Push the top cover down.
4. Remove the top cover.
5. To re-

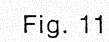


Fig. 12

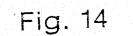
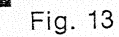
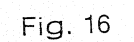
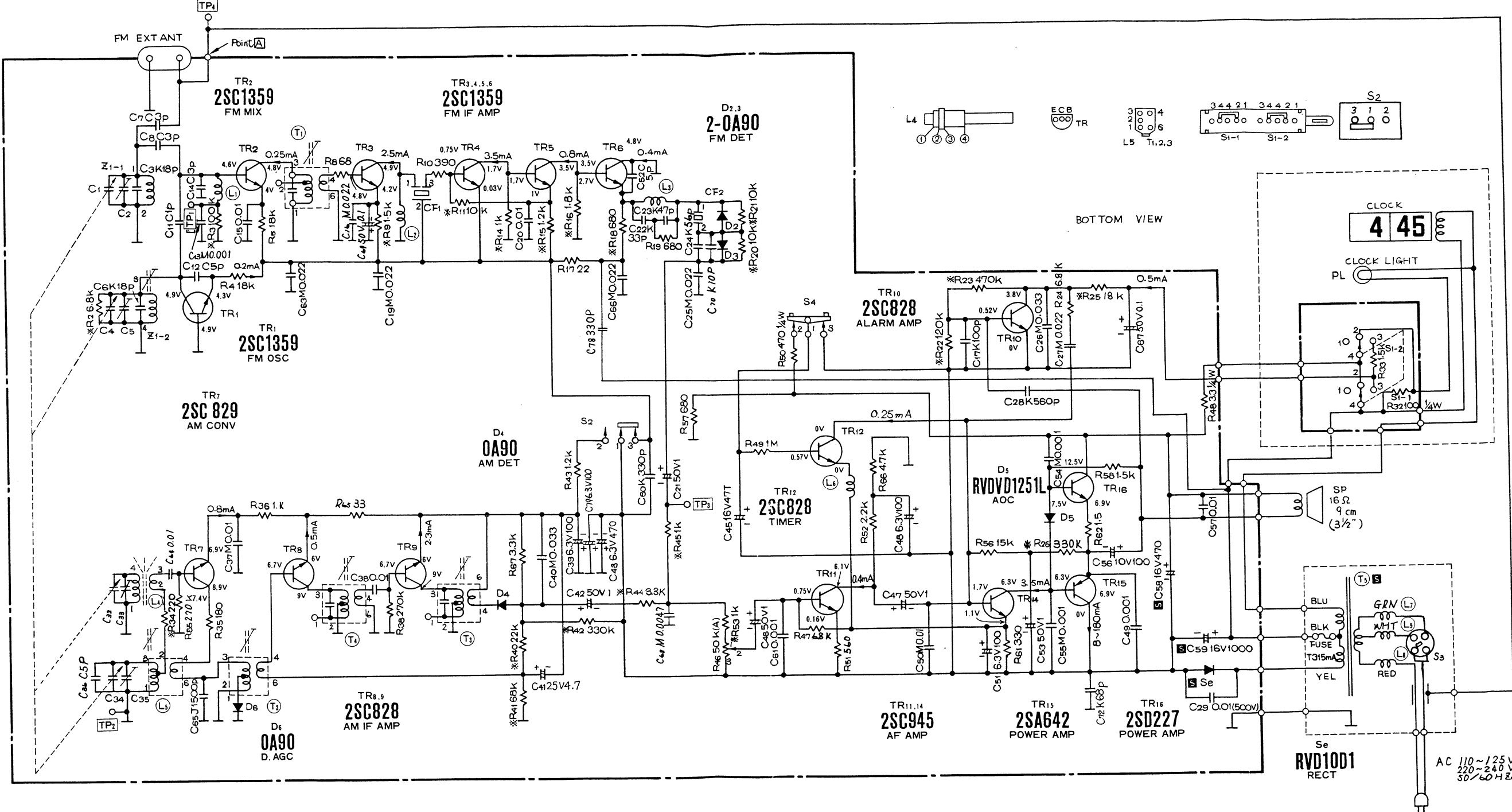


Fig. 15



Schematic Diagram – Model RC-6005B



C	1	2	3	4	5	6	7	8		11	12	13	14	15	63	16		19		20		52	78	66	22	23	70	24	25				17	28	26	27	56	67		29						
	32	33	34	35	36	64	65	77		37						38				40	41	39	42	43	60	79		21	68	45	46	61		47	48	50		51	53	72	54	55	49	58	59	57
R	2									3	4	5			8	9	10	11		14		15	16	17	18		19	57	20	21			22	23			24	25	62		48			32	33	
						34	55			35	36					65	69	38			40	41	67		42	43	44	45	46	53	49	50	47	51	52	66		56		61		26	58			

Notes:

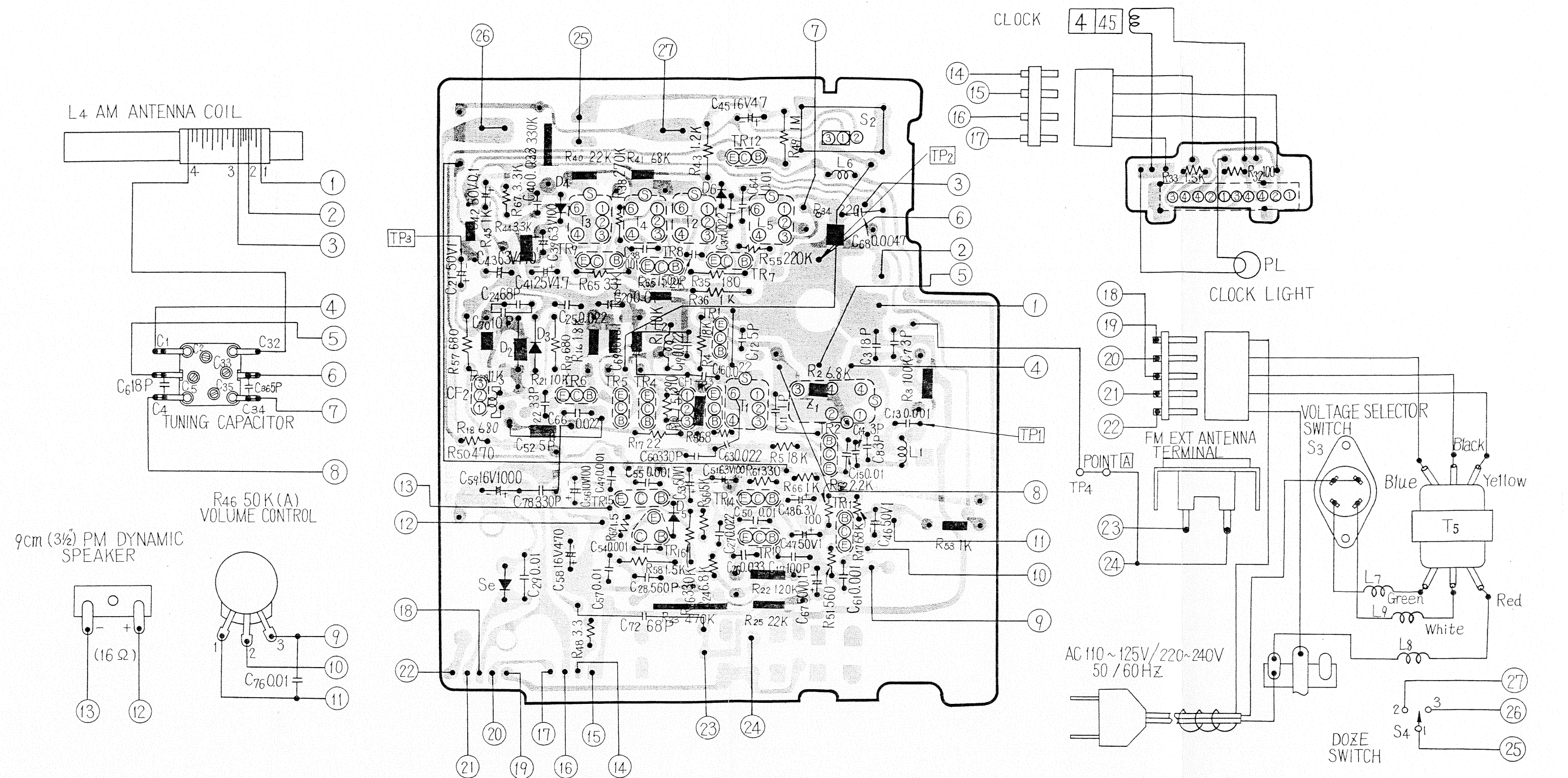
1. S₁₋₁, S₁₋₂: Selector Switch in "ON" position.
2. S₂: Band Selector Switch in "FM" position.
3. S₃: Voltage Selector Switch in "220~240V" position.
4. S₄: Doze Switch.

5. DC voltage measurements are taken with circuit tester 10k Ω /V from negative line.
- | | |
|--------------------------------------|---|
| TR _{1~6}FM position | TR _{7~9}AM position |
| TR ₁₀ALARM position | TR ₁₁DOZE-CANCEL position. |

6. **S** Indicates that only parts specified by the manufacturer be used for replacement in critical circuits.
7. Printed resistors are shown by * mark.

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Circuit Board Wiring View-Model RC-6005B



TR, D	D2 D3 D4 TR6 TR9 TR5 TR4 TR15 TR16 TR8 D5 TR3 TR1 TR7 D6 TR14 TR10 TR12 TR2 TR11																
L, T	L4	L3		T3		T4	L2	T2	T1	L5		L6	L1		T5 L7 L8 L9		

Printed Resistor Conductive Paint

TR1	TR2	TR3	TR4	TR5	TR6	TR7	TR8	TR9	TR10	TR11	TR12	TR14	TR15	TR16
FM	FM	FM	FM	FM	FM	AM	AM	AM	ALARM	AM	DOZE CANCEL	C 6.3V	C 0V	C 12.5V
C 4.9V	C 4.8V	C 4.9V	C 1.7V	C 3.5V	C 4.8V	C 8.9V	C 9V	C 9V	C 3.8V	C 6.1V	C 0V	B 1.7V	B 6.3V	B 7.5V
B 4.9V	B 4.6V	B 4.8V	B 0.75V	B 1.7V	B 3.5V	B 7.4V	B 6.7V	B 6.7V	B 0.52V	B 0.75V	B 0.57V	E 1.1V	E 6.9V	E 6.9V
E 4.3V	E 4V	E 4.2V	E 0.03V	E 1V	E 2.7V	E 6.9V	E 6V	E 6V	E 0V	E 0.16V	E 0V	Ic 3.5mA	Ic 8~180mA	Ic 8~180mA
Ie 0.2mA	Ic 0.25mA	Ic 2.5mA	Ic 3.5mA	Ic 0.8mA	Ic 0.4mA	Ie 0.8mA	Ie 0.5mA	Ie 2.3mA	Ic 0.5mA	Ic 0.4mA	Ic 0.25mA			

REPLACEMENT PARTS LIST.....Model RC-6005B

NOTES: 1.Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2.X-Z rank: X rank parts will cover 80% of repair needs.
X+Y rank parts will cover 95% of repair needs.
Z rank parts are less necessary.
3. **SAFETY** Indicates that only parts specified by the manufacturer be used for replacement in critical circuits.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
TRANSISTORS AND DIODES				
TR1,2,3,4,5,6	2SC1359	FM Oscillator, FM Mixer, FM 1st, 2nd, 3rd, 4th IF Amplifier	6	X
TR7	2SC829	AM Converter	1	X
TR8,9,10,12	2SC828	AM 1st, 2nd IF Amplifier, Alarm Amplifier, Timer	4	X
TR11,14	2SC945	AF Amplifier	2	X
TR15	2SA642	Power Amplifier	1	X
TR16	2SD227	Power Amplifier	1	X
D2,3	2-0A90	FM Detector	2	X
D4,6	0A90	AM Detector, D.AGC	2	X
D5	RVDVD1251L	Operation, Compensator	1	X
RECTIFIER				
Se	RVD10D1	Rectifier	1	X SAFETY
CERAMIC FILTERS, COILS AND TRANSFORMERS				
CF1	RVFCF10M12FR	Ceramic Filter	1	X
CF2	RVFCDM107FSB	FM Detector	1	X
L1	RLQY30S1-0	Choke Coil	1	Y
L2	RLQZ4701-D	Choke Coil	1	Y
L3	RLQZ22G1-Y	Choke Coil	1	Y
L4	RLF2V34-0	AM Antenna Coil	1	X
L5	RLQ2M10	AM Oscillator Coil	1	X
L6	RLQY75S5-0	Choke Coil	1	Y
T1	RLI4M101	FM IF Transformer	1	X
T2	RLI2M203	AM 1st IF Transformer	1	X
T3	RLI2M404-K	AM 3rd IF Transformer	1	X
T4	RLI2M204	AM 2nd IF Transformer	1	X
T5	RLT5J154-W	Power Transformer	1	X SAFETY
VARIABLE RESISTOR				
R46	EVH7EAK15A54	50KΩ(A), Volume Control	1	X SAFETY
VARIABLE CAPACITOR				
C1,4,32,34	PVC2LX20T3N	Tuning Capacitor, W/Trimmer Capacitor (C2,5,33,35)	1	X

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
COMPONENT COMBINATION				
Z1-1,Z1-2	RLE60-Z	FM Oscillator & Antenna	1	X
SPEAKER				
SP	EAS85P06S	9cm(3½") PM Dynamic Speaker, Imp. 16Ω	1	X
SWITCHES				
S2	RSS133Z	Band Selector Switch	1	X
S4	RSR12A	Voltage Selector Switch	1	X
RESISTORS				
R62	ERD18VJ1R5	1.5Ω, ¼Watt, ±5%, Carbon	1	Z
R8	ERD18VJ680	68Ω, ¼Watt, ±5%, Carbon	1	Z
R61	ERD18VJ331	330Ω, ¼Watt, ±5%, Carbon	1	Z
R10	ERD18VJ391	390Ω, ¼Watt, ±5%, Carbon	1	Z
R33	ERD18VJ152	1.5KΩ, ¼Watt, ±5%, Carbon	1	Z
R52	ERD18VJ222	2.2KΩ, ¼Watt, ±5%, Carbon	1	Z
R67	ERD18VJ332	3.3KΩ, ¼Watt, ±5%, Carbon	1	Z
R66	ERD18VJ102	1.0KΩ, ¼Watt, ±5%, Carbon	1	Z
R24	ERD18VJ682	6.8KΩ, ¼Watt, ±5%, Carbon	1	Z
R56	ERD18VJ153	1.5KΩ, ¼Watt, ±5%, Carbon	1	Z
R5	ERD18VJ183	1.8KΩ, ¼Watt, ±5%, Carbon	1	Z
R47	ERD18VJ683	68KΩ, ¼Watt, ±5%, Carbon	2	Z
R38,55	ERD18VJ274	270KΩ, ¼Watt, ±5%, Carbon	1	Z
R17	ERD18SJ220	22KΩ, ¼Watt, ±5%, Carbon	1	Z
R35	ERD18SJ181	180Ω, ¼Watt, ±5%, Carbon	1	Z
R19	ERD18SJ681	680Ω, ¼Watt, ±5%, Carbon	1	Z
R58	ERD18SJ152	1.5KΩ, ¼Watt, ±5%, Carbon	1	Z
R43	ERD18SJ122	1.2KΩ, ¼Watt, ±5%, Carbon	1	Z
R4	ERD18SJ183	1.8KΩ, ¼Watt, ±5%, Carbon	1	Z
R49	ERD18SJ105	1MΩ, ¼Watt, ±5%, Carbon	1	Z
R65	ERD18VJ330	33Ω, ¼Watt, ±5%, Carbon	1	Z
R48	ERD14VJ3R3	3.3Ω, ¼Watt, ±5%, Carbon	1	Z
R32	ERD14VJ101	100Ω, ¼Watt, ±5%, Carbon	1	Z
R50	ERD14VJ471	470Ω, ¼Watt, ±5%, Carbon	1	Z
R51,57	ERD18VJ561	560Ω, ¼Watt, ±5%, Carbon	2	Z
R26	ERD18VJ334	330KΩ, ¼Watt, ±5%, Carbon	1	Z
R36	ERD18VJ102	1.0KΩ, ¼Watt, ±5%, Carbon	1	Z
CAPACITORS				
C11	ECCD1H010C	1PF, 50WV, ±0.25PF, Ceramic	1	Z
C70	ECCD1H100KC	10PF, 50WV, ±0.25PF, Ceramic	1	Z
C12,36,52	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic	3	Z
C7,8,14	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	3	Z
C6	ECCD1H180KS	18PF, 50WV, ±10%, Ceramic	1	Z

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C3	ECCD1H180KC	18PF, 50WV, ±10%, Ceramic	1	Z
C22	ECCD1H330KC	33PF, 50WV, ±10%, Ceramic	1	Z
C24	ECCD1H560K	56PF, 50WV, ±10%, Ceramic	1	Z
C17	ECCD1H101K	100PF, 50WV, ±10%, Ceramic	1	Z
C28	ECKE1H561KB	560PF, 50WV, ±10%, Ceramic	1	Z
C60	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	1	Z
C65	ECQS05152JZ	1500PF, 50WV, ±5%, Styrol	1	Z
C72	ECCD1H680K	68PF, 50WV, ±10%, Ceramic	1	Z
C49,61	ECKE1H102PF	0.001μF, 50WV, ±10%, Ceramic	2	Z
C13,54,55	ECKE1H102MD	0.001μF, 50WV, ±20%, Ceramic	3	Z
C15,20,38,50,57,64	ECKE1H103PF	0.01μF, 50WV, ±10%, Ceramic	6	Z
C16,37,19,25,63,66	ECKE1H223MD	0.022μF, 50WV, ±10%, Ceramic	6	Z
C29	ECKD2H103PE	0.01μF, 500WV, ±10%, Ceramic	1	Z
C27	ECQG05223MZ	0.022μF, 50WV, ±20%, Semi Conductor	1	Z
C26,40	ECQG05333MZ	0.033μF, 50WV, Semi Conductor	2	Z
C39,48,51	ECEA6V100E	100μF, 6.3WV, Electrolytic	3	Y
C43	ECEA6V470E	470μF, 6.3WV, Electrolytic	1	Y
C56	ECEA10V100E	100μF, 10WV, Electrolytic	1	Y
C45	ECEA16V47TE	47μF, 16WV, Electrolytic	1	Y SAFETY
C58	ECEA16V470-V	470μF, 16WV, Electrolytic	1	Y SAFETY
C59	ECEA16V1000-V	1000μF, 16WV, Electrolytic	1	Y
C21,46,47,53,42	ECEA50V1E	1μF, 50WV, Electrolytic	5	Y
C67	ECEA50ZR1E	0.1μF, 50WV, Electrolytic	1	Y
C68	ECKE1H472MD	0.47μF, 50WV, ±20%, Ceramic	1	Z
C69	ECEA50ZR1	0.1μF, 50WV, Electrolytic	1	Y
C41	ECEA25V4R7E	4.7μF, 25WV, Electrolytic	1	Y
CABINET				
CA1	RYMC6005BXG (Not Available Order, RYMC6005BXG)	Cabinet Assembly, Wood Grain Cabinet Only	1 (1)	Z
CA2	RKD331Y	Scale, Dial	1	Y
CA3	RGK540Z	Indicating Plate, SELECTOR (Clock) Mark	1	Z
CA4	RBC80Z	Button, Doze Switch	1	Y
CA5	RYPC6005BXG	Front Panel Assembly	1	X
CA6	(Not Available Order, RYPC6005BXG)	Front Panel Only	(1)	
CA1	RYMC6005BXG8 (Not Available Order, RYMC6005BXG8)	Indicating Plate, FM-AM DIGITAL Clock RADIO Mark	(1)	Z
CA2	RKD331Y	Cabinet Assembly, Silver Cabinet Only	1 (1)	Z
CA3	RGK540Z	Scale, Dial	1	Y
CA4	RBC80Z	Indicating Plate, SELECTOR (Clock) Mark	1	Z
CA5	RYPC6005BXG8	Button, Doze Switch	1	Y
CA6	RYPC6005BXG8	Front Panel Assembly	1	X

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
CA5	(Not Available Order, RYPC6005BXG8)	Front Panel Only	(1)	
CA6	(Not Available Order, RYPC6005BXG8)	Indicating Plate, FM-AM DIGITAL Clock RADIO Mark	(1)	
CA7	RKU199W	Rear Panel	1	Y
CA8	RDG563IZ	Shaft (Plastic), Tuning	1	Y
CA9	RDP672Z	Pointer, Dial	1	Y
CA10	RBD48Z	Knob, Band Selector	1	X
CA11	RBN285ZK	Knob, Volume	1	X
CA12	RBW86Z	Knob, Set Time	1	X
CA13	RBW110ZK	Knob, Set Alarm	1	X
CA14	RBW98Z	Knob, Sleep	1	X
CA15	RBW99Z	Knob, Selector (Clock)	1	X
CA16	XTW3+12E	Screw, Rear Panel M'tg	3	Z
CA17	RYTC6005M	Tuning Knob Assembly	1	X
CA18	(RBN343Z)	Knob, Tuning	1	
CA19	(RUS210Z)	Spring, Tuning Knob	1	Z
	XTW3+8E	Screw, Rear Panel M'tg	1	
CHASSIS				
CH1	1JSRC6005M-1	Socket Assembly (Clock)	1	X
CH2	(Not Available Order, 1JSRC6005M-1)	Socket Only	(1)	
CH3	RXEC6005BXG	Terminal	(4)	
CH4(PL)	4JTRC6005M-1	Line Antenna Lead Wire Assembly	1	Z
CH5	XAMR48S150	Earth Lead Wire Assembly	1	Z
CH6	RJA29A-K	Pilot Lamp, Clock Light	1	X SAFETY
CH7	RJP107Z	AC Cord, Power Source	1	X SAFETY
CH8	RJP116Z	4 Pin Plug, Transformer Lead Wire	1	Z
CH9	RJT433Z	5 Pin Plug, Clock Lead Wire	1	Z
CH10	RJR25Z	Terminal, Once More Timer	2	Z
CH11	RJS56A	Spring Once More Timer	1	Z
CH12	RMK75Z	Lead Holder (2 Pin), Power Source	1	Y SAFETY
CH13	RMA5003A	Socket, EXT. FM Antenna	1	Y
CH14	RMC209A	Bracket, Socket	1	Z
CH15	RMR46Z	Bracket, Core Antenna	2	Z
CH16	RDG5632Z	Shield Cover Coil	1	Z
CH17	RDE9015Z	Bracket, Volume	1	Z
	RHR111	Drum, Dial	1	Y
	XYN26+C5	Bracket, Drum	1	Z
	XYN26+C8	Grommet, AC Cord	2	Z
	RMP93Z	Screw, Tuning Capacitor M'tg	1	Z
		Screw, Drum M'tg	1	Z
		Holder, Pilot Lamp	1	Z
PACKING				
P1	RPP166Z	Polyethylene Cover	1	Z
P2	RPB228Z	Soft Sheet	1	Z
P3	RPN9143Y	Pad, Complete	(1)	
P4	(Not Available Order, RPN9143Y)	Pad, Left Side	(1)	
		Pad, Right Side	(1)	

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Service Manual

FM-AM
DIGITAL CLOCK RADIO

Radio
RC-6005BS

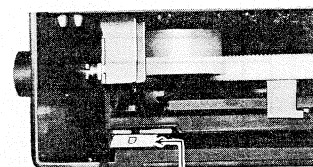
Supplementary-1



IMPORTANT

There are two different types in model RC-6005BS. Identification of difference can be made by Printed Circuit Board & Label, so please refer to respective Service Manual as below.

Service Manual (Order No.)	RC-6005BS Supplementary-1 RD7511-1154-1	RC-6005BS RD 7412-1154
Printed Circuit Board No.	RUP 659Y	RUP547Z
Label Indication "D"	Indicated	Non



Label

- * This service manual includes only the changes of the RC-6005B, supplementary-1 service manual (ORDER NO. RD7510-1155-1).except for replacement parts list.
- * This manual should be filed with the service manual for model RC-6005B, supplementary-1 (ORDER NO. RD7510-1155-1).
- * When servicing model RC-6005BS, supplementary-1, this service manual and the RC-6005B, supplementary-1 service manual should be used together.

CHANGES

SPECIFICATIONS

Power Source: AC 110~125V/220~240V 50-60 Hz
(Model RC-6005B, supplementary-1)



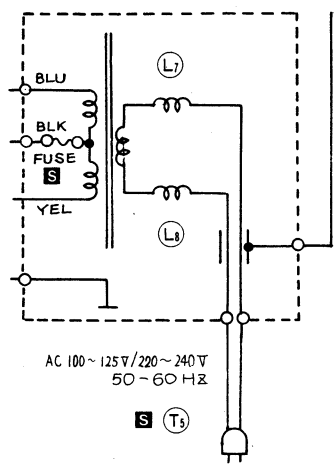
AC 220V 50 Hz
(Model RC-6005BS, supplementary-1)

National Panasonic

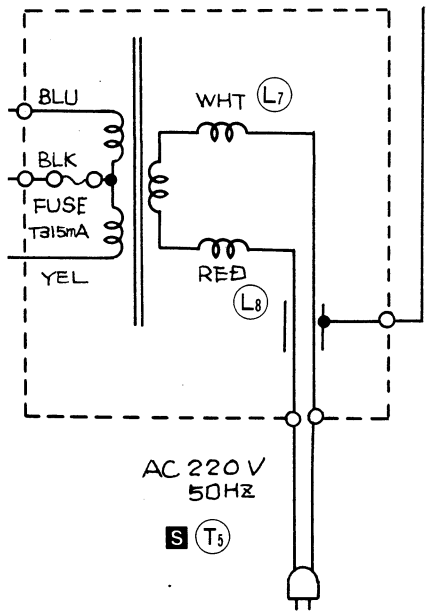
Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka, Japan

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■ SCHEMATIC DIAGRAM

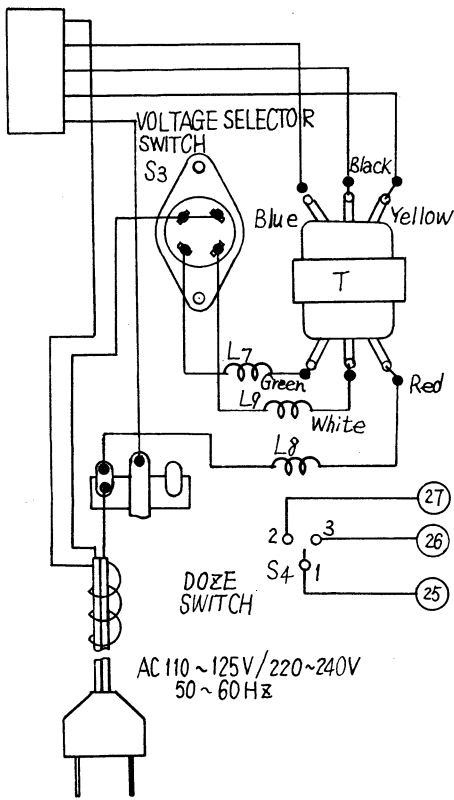


(Model RC-6005B, supplementary-1)

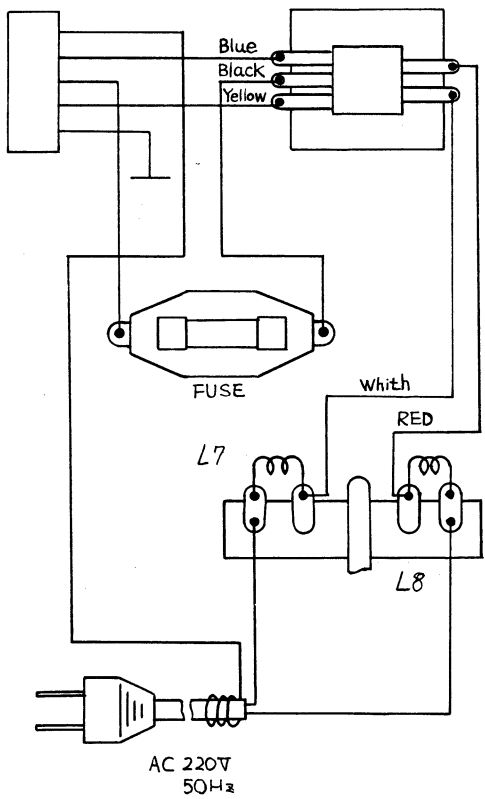


(Model RC-6005BS, supplementary-1)

■ CIRCUIT BOARD WIRING VIEW



(Model RC-6005B, supplementary-1)



(Model RC-6005BS, supplementary-1)

REPLACEMENT PARTS LIST.....Model RC-6005BS

NOTES: 1.Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2.X-Z rank: X rank parts will cover 80% of repair needs.
X+Y rank parts will cover 95% of repair needs.
Z rank parts are less necessary.
3. **SAFETY** Indicates that only parts specified by the manufacturer be used for replacement in critical circuits.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
TRANSISTORS AND DIODES				
TR1,2,3,4,5,6	2SC1359	Transistor(Si), FM Oscillator, FM Mixer, FM 1st, 2nd, 3rd, 4th IF Amplifier	6	X
TR7	2SC829	Transistor(Si), AM Converter	1	X
TR8,9,10,12	2SC828	Transistor(Si), AM 1st, 2nd IF Amplifier, Alarm Amplifier, Timer	4	X
TR11,14	2SC945	Transistor(Si), AM Amplifier	2	X
TR15	2SC642	Transistor(Si), Power Amplifier	1	X
TR16	2SD227	Transistor(Si), Power Amplifier	1	X
D2,3	2-0A90	Diode(Ge), FM Detector	2	X
D4,6	0A90	Diode(Ge), AM Detector, D.AGC	2	X
D5	RVDVD1251L	Diode(Si), Operation Compensator	1	X
RECTIFIER				
Se	RVD10D1	Rectifier	1	X SAFETY
CERAMIC FILTERS, COILS AND TRANSFORMERS				
CF1	RVFCF10M12FR	Ceramic Filter	1	X
CF2	RVFCDM107FSB	Ceramic Filter, FM Detector	1	X
L1	RLQY30S1-O	Coil, Choke	1	Y
L2	RLQZ4701-D	Coil, Choke	1	Y
L3	RLQZ22G1-Y	Coil, Choke	1	Y
L4	RLF2V34-O	Antenna Coil, AM	1	X
L5	RLO2M10	Oscillator Coil, AM	1	Y
L6	RLQY75S5-O	Coil, Choke	1	X
L7,8	RLQY10G3-O	Coil, Choke	2	X
T1	RLI4M101	IFT, FM	1	X
T2	RLI2M203	IFT, 1st	1	X
T3	RLI2M404-K	IFT, 3rd	1	X
T4	RLI2M204	IFT, 2nd	1	X
T5	RLT5J155-W	Power Transformer	1	X SAFETY
VARIABLE RESISTOR				
R46	EVH7EAK15A54	Variable Resistor, 50KΩ(A), Volume Control	1	X

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
VARIABLE CAPACITORS				
C1,4,32,34	PVC2LX20T3N	Tuning Capacitor, W/Trimmer Capacitor (C2,5,33,35)	1	X
COMPONENT COMBINATIONS				
Z1-1,Z1-2	RLE60-Z	Component Combination, FM Oscillator & Antenna	1	X
SPEAKER				
SP	EAS85P06S	9cm(3½") PM Dynamic Speaker, Imp.16Ω	1	X
SWITCH				
S2	RSS133Z	Switch, Band Selector	1	X
CABINET				
CA1	RYMC6005BXG (Not Available, Order RYMC6005BXG)	Cabinet Assembly, Wood Grain Cabinet Only	1 (1)	Z
CA2	RKD331Y	Scale, Dial	1	Y
CA3	RGK540Z	Indicating Plate, SELECTOR (Clock) Mark	1	Z
CA4	RBC80Z	Button, Doze Switch	1	Y
CA5	RYPC6005BXG	Front Panel Assembly	1	X
CA6	(Not Available, Order RYPC6005BXG)	Front Panel Only	(1)	
	RYPC6005BXG8	Indicating Plate, FM-AM DIGITAL	(1)	
CA1	RYMC6005BXG8 (Not Available, Order RYMC6005BXG8)	CLOCK RADIO Mark Cabinet Assembly, Silver Cabinet Only	1 (1)	X
CA2	RKD331Y	Scale, Dial	1	Y
CA3	RGK540Z	Indicating Plate, SELECTOR (Clock) Mark	1	Z
CA4	RBC80Z	Button, Doze Switch	1	Y
CA5	RYPC6005BXG8	Front Panel Assembly	1	X
CA6	(Not Available, Order RYPC6005BXG8)	Front Panel Only	(1)	
	RYPC6005BXG8	Indicating Plate, FM-AM DIGITAL	(1)	
CA7	RKU199H	CLOCK RADIO Mark	1	OY
CA8	RDG5631Z	Rear Panel	1	Y
CA9	RDP672Z	Shaft(Plastic), Tuning	1	Y
CA10	RBD48Z	Pointer, Dial	1	Y
CA11	RBN285ZK	Knob, Band Selector	1	X
CA12	RBW86Z	Knob, Volume	1	X
CA13	RBW110ZK	Knob, Set Time	1	X
CA14	RBW98Z	Knob, Set Alarm	1	X
		Knob, Sleep	1	X

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
CA15	RBW99Z	Knob, Selector (Clock)	1	X
CA16	XTW3+12E	Screw, Rear Panel M'tg	3	Z
	RYTC6005M	Tuning Knob Assembly	1	X
CA17	(RBN343Z)	Knob, Tuning	1	X
CA18	(RUS210Z)	Spring, Tuning Knob	1	Y
CHASSIS				
CH1	1JSRC6005M-1 (Not Available, Order 1JSRC6005M-1)	Socket Assembly (Clock) Socket Only	1 (1)	X
CH2		Terminal	(4)	
CH3	RXEC6005BXG	Line Antenna Lead Wire Assembly	1	Z
	4JTRC6005M-1	Earth Lead Wire Assembly	1	Z
CH4 (PL)	XAMR48S150	Pilot Lamp, Clock Light, 12V, 40mA	1	X SAFETY
CH5	RJP3A	AC Cord, Power Source (For North Europe)	1	X SAFETY
CH5	RJP12A	AC Cord, Power Source (For Switzerland)	1	X SAFETY
CH6	RJP107Z	Plug (4 Pins), Transformer Lead Wire	1	Z
CH7	RJP116Z	Plug (5 Pins), Clock Lead Wire	1	Z
CH8	RJT433Z	Terminal, Once More Timer	2	Z
CH9	RJT450Z	Spring, Once More Timer	1	Z
CH10	RJR25Z	Lead Holder (2 Pins), Power Source (For North Europe)	1	Y SAFETY
CH10	RJR22Z	Lead Holder (2 Pins), Power Source (For Switzerland)	1	Y SAFETY
CH11	RJS56A	Socket, EXT. FM Antenna	1	Y
CH12	RMK75Z	Bracket, Socket	1	Z
CH13	RMA5003Z	Bracket, Core Antenna	2	Z
CH14	RMC209A	Shield Cover Coil	1	Z
CH15	RMR46Z	Bracket, Volume	1	Z
CH16	RDG5632Z	Drum, Dial	1	Y
CH17	RDE9015Z	Bracket, Drum	1	Z
	RHR550	Grommet, AC Cord	1	Z SAFETY
	XYN26+C5	Screw, Tuning Capacitor M'tg	2	Z
	XYN26+C8	Screw, Drum M'tg	1	Z
CH18	RMP93Z	Holder, Pilot Lamp	1	Z
	XBA2C03TRO	Fuse, 315mA	1	X SAFETY
	RJF3B	Fuse Holder	1	Y SAFETY
	XSN3+14S	Screw, Fuse Holder	2	Z
	RHM66Z	Stay, Fuse Holder Screw	2	Z
PACKING				
P1	RPP166Z	Polyethylene Cover	1	Z
P2	RPH228Z	Soft Sheet	1	Z
	RPN9143Y	Pad Complete	1	Z
P3	(Not Available, Order RPN9143Y)	Pad, Left Side	(1)	
P4		Pad, Right Side	(1)	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
P5	RPG1369Z	Packing Case	1	Z
P6	RQX5731Y	Instruction Book	1	Y
P7	RPN1857Z	Pad, Bottom Side	1	Z
CLOCK				
CH19	RSC0954OYS	Clock Assembly	1	X
CH20	(RMN167Z)	Motor, AC 10V 50/60Hz	1	X
(S1-1~S1-2)	(RSS143Z-P)	Switch, ON/OFF/AUTO/ALARM	1	X